WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
IDAHO

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agency named above in cooperation with the Comptroller of Water Rights of British Columbia, and Federal, State and private organizations listed on the last page of this report.

AS OF
JAN. 1, 1964

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 2807, Portland, Oregon 97208.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
Western United States	Monthly (Feb.-May)	Portland, Oregon	All Cooperators
Basic Data Summary	October 1	Portland, Oregon	All Cooperators
STATES			
Alaska	Monthly (Mar.-May)	Palmer, Alaska	Alaska S.C.D.
Arizona	Semi-Monthly (Jan. 15 - Apr. 1)	Phoenix, Arizona	Salt R. Valley Water Users Assoc. Ariz. Agr. Exp. Station
Colorado and New Mexico	Monthly (Feb.-May)	Fort Collins, Colorado	Colo. State University Colo. State Engineer N. Mex. State Engineer
Idaho	Monthly (Jan.-June)	Boise, Idaho	Idaho State Reclamation Engineer
Montana	Monthly (Jan.-June)	Bozeman, Montana	Mont. Agr. Exp. Station
Nevada	Monthly (Jan.-May)	Reno, Nevada	Nevada Dept. of Conservation and Natural Resources - Division of Water Resources
Oregon	Monthly (Jan.-June)	Portland, Oregon	Oreg. State University Oregon State Engineer
Utah	Monthly (Jan.-June)	Salt Lake City, Utah	Utah State Engineer
Washington	Monthly (Feb.-June)	Spokane, Washington	Wn. State Dept. of Conservation
Wyoming	Monthly (Feb.-June)	Casper, Wyoming	Wyoming State Engineer

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
British Columbia	Monthly (Feb.-June)	Water Resources Service, Dept. of Lands, Forest and Water Resources, Parliament Blog., Victoria, B.C., Canada
California	Monthly (Feb.-May)	Calif. Dept. of Water Resources, P.O. Box 388, Sacramento, Calif.

USDA SCS PORTLAND OREG 1963

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and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
IDAHO

Report prepared by

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and

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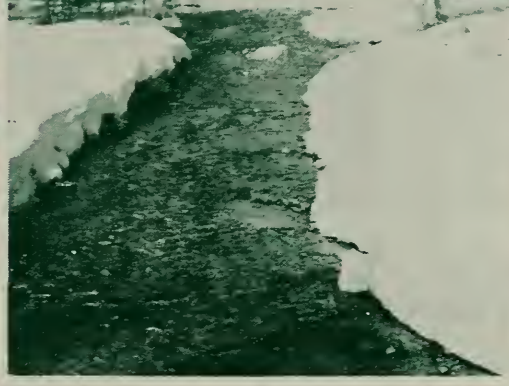
WATER SUPPLY OUTLOOK for IDAHO








GENERAL SUMMARY - JANUARY 1, 1964

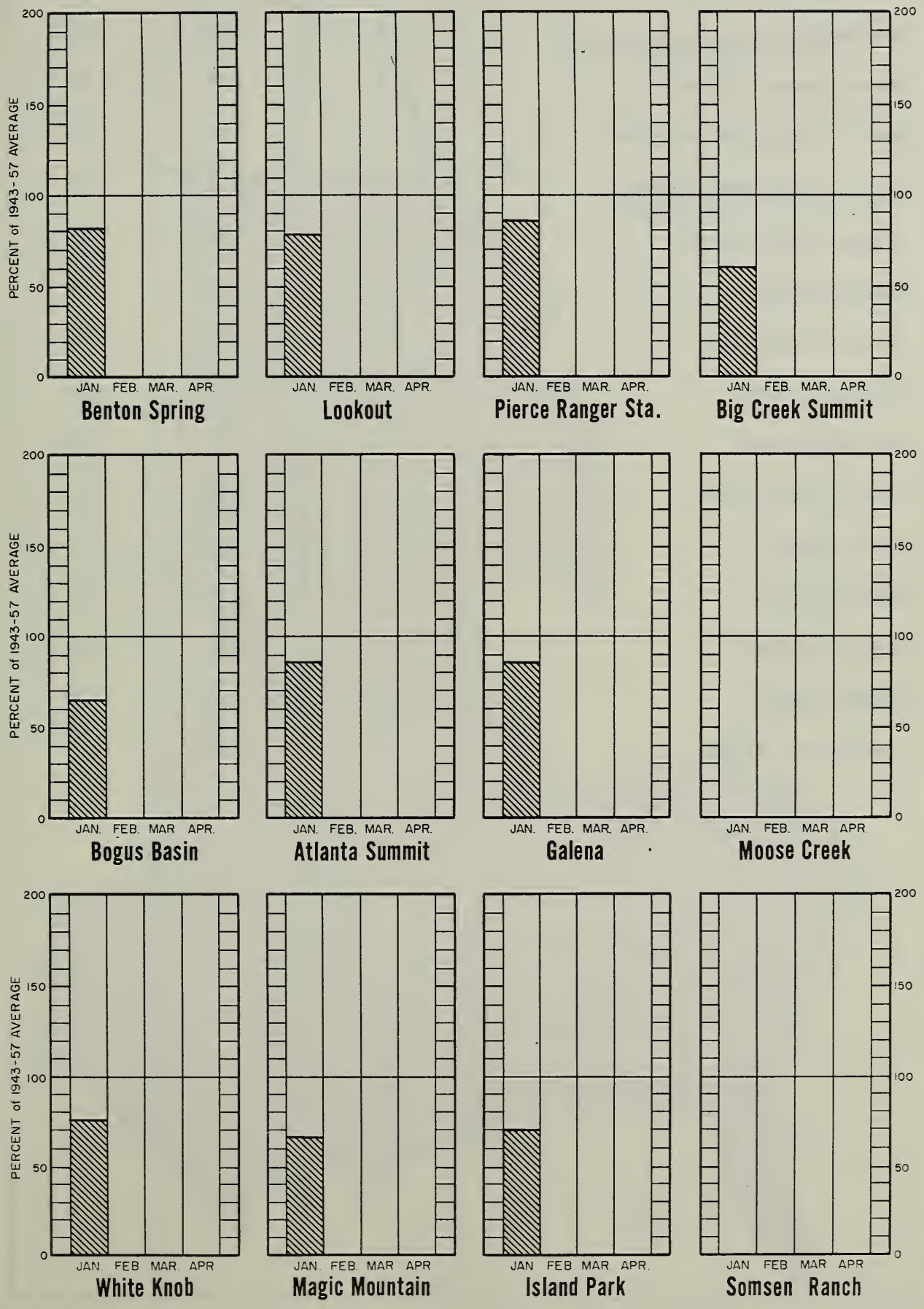
Snowfall so far this winter season is far above 1963, but still significantly below average. Fall rain primed the watershed soils to a greater extent than usual. Soil moisture sites, at key snow courses throughout the state, in general indicate excellent soil moisture conditions. Also, the soils beneath the snow pack are not frozen as was the case at this time last year. This is a desirable characteristic because the soil can take up some melting snow-water in case of warm winter rains as have occurred in the past few years.

Snowfall, as measured at a very few courses on December 1, indicated near normal snow cover. However, during the month of December, there were many days when the valleys were covered by thick clouds and fog while the tops of the mountains were in bright sunshine and received no snowfall. As a result, the snow-water contents expressed as a percent of average are well below normal. On the Owyhee River, there is five times more than last year's snow cover. Reservoir storage in general is good because of the heavy rains during the summer and fall of 1963.

The water supply outlook in general appears close to normal since there is good reservoir stored water and good soil moisture conditions.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
As Compared To 1943-57 15Yr. Average

January 1, 1964



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR	AVERAGE b
Priest River	2	168	81
Spokane	1	142	78
Camas-Beaver Creek	2	121	59
Henry's Fork-Teton River	5	153	64
Raft River-Goose Creek	3	317	72
Salmon Falls Creek	6	189	67
Bruneau River	4	165	64
Little Lost River	5	258	74
Big Lost River	1	130	76
Big Wood River	5	139	78
Little Wood River	2	84	57
Boise River	5	195	74
Owyhee River	2	617	63
Payette River	5	210	60
Salmon River	2	162	76
Clearwater River	3	174	77

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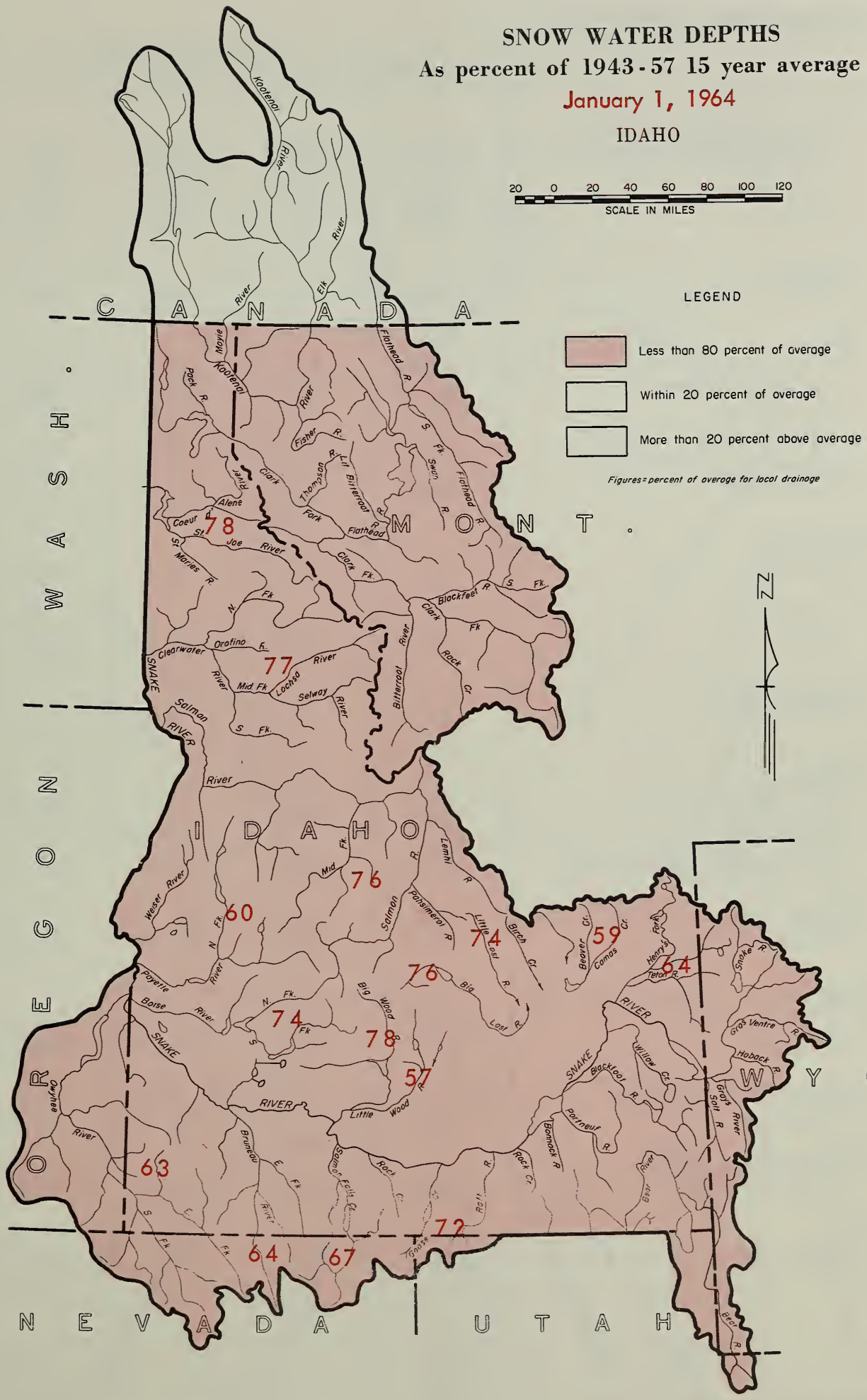
SNOW WATER DEPTHS
As percent of 1943-57 15 year average
January 1, 1964
IDAHO
20 0 20 40 60 80 100 120
SCALE IN MILES
LEGEND
Less than 80 percent of average
Within 20 percent of average
More than 20 percent above average
Figures=percent of average for local drainage
CANADA
MONTANA
WASHINGTON
OREGON
WYO.
NEVADA
UTAH
IDAHO
N
78
77
76
74
60
59
64
63
57
72
67

RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1943-57 AVERAGE
Clark Fork-Pend Oreille				
Hungry Horse	3428.0	2995.0	3155.0	2883.0
Flathead	1791.0	1532.0	1610.0	1257.1
Pend Oreille	1561.0	631.1	1152.9	534.4
Noxon	334.6	326.7	331.3	--
Spokane				
Coeur d'Alene	238.5	117.2	185.2	162.7
Snake				
Jackson Lake	847.0	607.9	531.9	435.7
American Falls	1700.0	883.7	923.2	1230.8
Palisades	1200.0	825.4	869.3	--
Island Park	127.0	64.9	95.9	89.4
Grassy Lake	15.2	7.7	11.5	12.5
Brownlee	980.2	724.0	960.0	--
Big Lost				
Mackay	44.2	34.4	24.0	29.3
Big Wood				
Magic	191.5	102.0	89.3	116.1
Little Wood				
Little Wood	33.3	15.6	9.5	--
Boise				
Anderson Ranch	423.2	306.1	301.2	237.0
Arrowrock	286.6	238.4	217.9	139.0
Lucky Peak	278.2	25.7	43.8	--
Lake Lowell (Deer Flat)	169.0	116.3	120.1	86.1
Owyhee				
Owyhee	715.0	266.6	202.1	377.8
Payette				
Cascade	653.2	345.4	532.7	211.8
Deadwood	161.9	80.0	78.3	81.3
Goose-Trapper Creeks				
Oakley	74.4	9.3	13.0	13.0
Salmon Falls Creek				
Salmon Falls	182.6	27.4	31.9	21.9
Bear				
Bear Lake	1421.0	700.0	717.3	806.4

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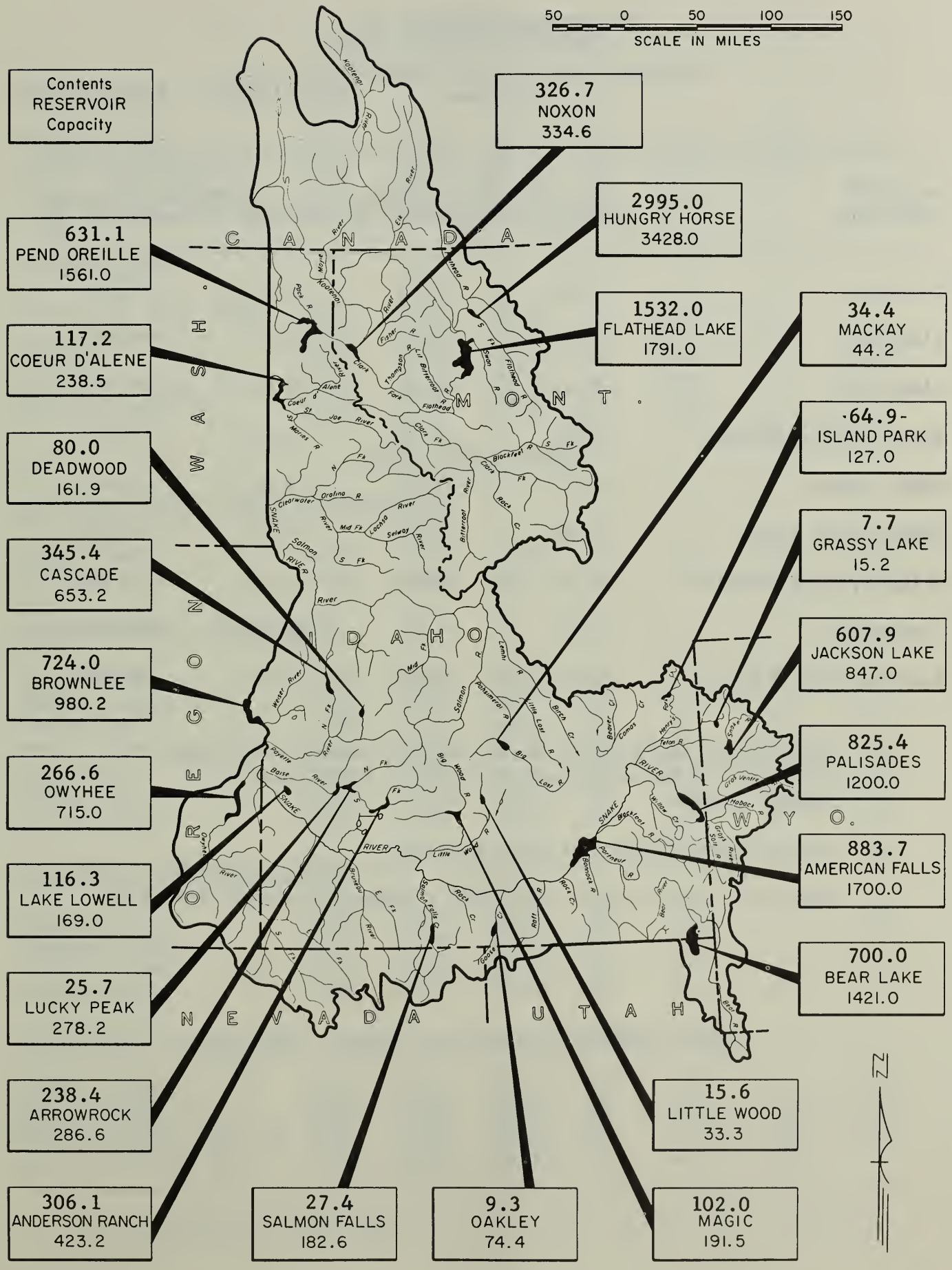
RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1964



VALLEY PRECIPITATION 1/

Division Averages and Departures
In Inches

DRAINAGE DIVISIONS	Fall Sep.-Oct.-Nov. 1963		Winter December 1963	
	Average 2/	Departure 3/	Average 2/	Departure 3/
Kootenai	7.28	+1.19	2.11	-0.95
Flathead	4.34	-0.87	1.81	-0.30
Clark Fork	3.40	+0.50	0.93	-0.07
Pend Oreille-Spokane	8.05	-0.78	2.69	-1.43
Upper Snake	6.51	+1.68	1.56	-0.92
Snake River Plain	3.00	+0.90	0.81	-0.20
Salmon-Payette-Boise	5.39	+0.68	1.44	-1.32
Clearwater	5.46	-1.24	2.59	-0.48
Southeastern Oregon	3.32	+0.95	0.85	-0.47

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

2/ 15-year (1943-1957) division average.

3/ Departure from 15-year (1943-57) drainage division average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [b]
UPPER COLUMBIA DRAINAGE							
PEND OREILLE - PRIEST RIVER							
Benton Meadow	16A2	2344	12/27	15	2.5	0.0	3.1
Benton Spring	16A3	4900	12/30	30	7.4	5.9	9.1
Schweitzer Ridge	16A5	6100	12/30	73	23.6	--	--
Schweitzer Bowl	16A6	4500	12/30	50	16.2	--	--
SPOKANE RIVER							
Fourth of July Summit	16B3	3100	12/30	15	4.0	T	--
Granite Peak (A)	15B13	6000	12/26	49	13.7	--	--
Lookout	15B2	5250	12/30	49	12.8	9.0	16.4*
Medicine Ridge (A)	15B4	6150	12/26	59	16.5	--	--
Outlaw Creek (A)	15B12	3750	12/26	17	3.9	--	--
SNAKE RIVER BASIN							
MEDICINE LODGE - MUD LAKE DRAINAGES							
Camp Creek	12E3	6800	12/30	15	2.8	2.2	4.2*
Kilgore	11E12	6200	12/27	16	2.4	2.1	4.6*
HENRY'S FORK - TETON RIVER							
Big Springs	11E9	6500	12/29	26	5.8	3.2	8.2
Darby Canyon (A)	10F21	8250	12/30	29	7.9	--	--
Island Park	11E10	6315	12/29	23	4.5	2.8	6.4
Pine Creek Pass	11F2	6750	12/30	24	4.9	1.9	--
State Line	11F1	6400	12/30	21	4.0	1.9	6.6*
Teton Pass	10F13	8500	12/30	33	9.0	5.8	16.3*
Valley View	11E8	6500	12/29	22	4.6	4.5	5.8
BLACKFOOT - PORTNEUF RIVERS							
China Hat	11G2	6300	12/30	14	2.5	--	--
Dempsey Creek	12G5	6280	12/31	19	3.0	--	--
Pebble Creek	12G2	6550	12/31	14	3.6	--	--
Somsen Ranch	11G1	7000	12/30	19	3.4	--	--
RAFT RIVER, GOOSE CREEK, SALMON FALLS CREEK, BRUNEAU RIVER							
Badger Gulch	14G3	6660	12/27	12	2.6	0.0	41.*
Bear Creek (A)	15H1	7800	12/30	21	4.5	2.9	7.1*
Bostetter Rgr. Sta.(A)	14G1	7500	12/30	21	4.4	1.8	7.6*
Boy Scout Camp (A)	13G2	7600	12/30	21	4.5	3.8	--

*(b) 1943-57, 15 year period. # Not located directly on this drainage. * Estimated 1943-57, 15 year Average.*
(A) Aerial observation: Water content estimated.

2
SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [b]
Cedar Creek (A)	14G5	7000	12/30	15	3.1	1.7	--
Clear Creek Mdws. (A)	13H2	9050	12/30	36	7.7	4.1	--
Deadline	14G4	6900	12/27	30	6.2	2.5	8.2*
Goat Creek (A)	15H13	8800	12/30	20	4.2	2.4	6.6*
Howell Canyon	13G1	8000	12/28	30	7.9	2.9	9.0*
Hummingbird Spgs.(A)	15H15	8945	12/30	21	4.5	2.9	7.8*
Magic Mountain	14G2	6700	12/27	25	5.2	2.1	7.8*
Pole Creek R. S.	15H14	8330	12/31	23	4.9	2.8	6.7*
Red Point (A)	15H18	7940	12/30	15	3.2	1.0	--
Summit Springs (A)	13G4	8500	12/30	11	2.4	T	--
Vi Pont (A)	13H3	7650	12/30	21	4.5	1.8	--
Wilson Creek (A)	15G2	7500	12/30	21	4.5	1.5	--
LITTLE LOST RIVER							
Fairview Guard Sta.	13E5	5850	12/27	14	2.0	T	2.6*
Lost-Garfield	13E3	5700	12/27	11	2.0	0.0	2.0*
Moonshine	13E6	7250	12/27	20	4.2	2.0	6.1*
Sawmill Canyon	13E4	6000	12/27	17	3.3	1.5	4.2*
Wet Creek Summit	13E7	8175	12/26	16	3.2	2.2	4.9*
BIG LOST RIVER							
White Knob	13F1	7700	12/30	13	2.6	2.0	3.4*
BIG WOOD RIVER							
Dollarhide Summit (A)	14F8	8620	12/28	35	9.0	6.9	13.0*
Galena	14F1	7500	12/31	26	6.6	5.0	7.6*
Galena Summit	14F12	8795	12/31	31	8.4	6.1	9.5*
Graham Ranch	14F5	6200	12/30	20	4.4	3.3	6.5
Mount Baldy	14F9	9000	12/28	30	7.7	4.7	9.6*
Soldier Rgr. Sta.	14F11	6100	1/4	14	2.2	3.4	--
Little Wood River - Fish Creek							
Garfield R. S.	13F4	6554	12/26	13	2.4	2.5	4.4*
Muldoon	13F5	6300	12/26	11	1.9	2.6	3.1*
Porcupine (A)	14F14	8350	1/3	27	6.9	9.1	--
Swede Peak (A)	13F9	7500	1/3	25	6.4	5.2	--
BOISE RIVER							
Atlanta Summit (A)	15F4	7500	12/28	45	11.5	6.7	13.4*
Bad Bear	15F2	5500	12/30	18	3.2	T	--
Bogus Basin Road	16F4	5360	12/31	12	2.7	0.0	1.7*
Couch Summit (A)	14F10	6950	12/28	26	6.7	4.9	--

*(b) 1943-57, 15 year period. # Not located directly on this drainage. * Estimated 1943-57, 15 year Average.*
(A) Aerial observation: Water content estimated.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [b]
Moores Creek Summit	15F1	6100	12/30	36	9.2	3.2	14.2*
Prairie	15F6	5600	12/30	16	4.5	--	--
Trinity Mountain (A)	15F5	7400	12/28	45	11.5	9.3	16.6*
OWYHEE RIVER							
Silver City	16F3	6400	12/30	19	3.9	0.8	6.6*
South Mountain	16G1	6340	12/29	16	3.2	0.4	5.2*
PAYETTE RIVER							
Big Creek Summit	15E2	6608	12/31	42	11.6	12.4	--
Bogus Basin	16F2	6120	12/31	28	7.0	2.3	10.7*
Cozy Cove	15E8	5900	12/27	20	4.1	2.2	7.0*
Crawford R. S.	15E3	4800	12/31	13	2.4	0.0	--
Deadwood Airstrip	15E10	5440	12/26	18	3.7	2.1	7.1*
Deadwood Dam	15E7	5500	12/27	22	4.7	2.9	7.9*
Deadwood Summit (A)	15E4	7000	12/31	59	16.3	19.4	--
Greenfield Flat (A)	16E7	7370	12/31	35	9.7	12.4	--
Rock Flat Summit	16E1	5200	12/27	24	4.9	2.1	8.0*
Squaw Meadow (A)	15D2	5800	12/31	45	12.4	12.7	--
WEISER RIVER							
Boulder Creek	16D1	5500	12/26	26	7.0	5.1	--
Mica Ridge (A)	16E6	6800	12/31	37	10.2	12.4	--
Squaw Flat (A)	16E5	6230	12/31	35	9.7	12.4	--
SALMON RIVER							
Big Creek Summit	15E2	6608	12/31	42	11.6	12.4	--
Borah (A)	13E8	8250	12/30	13	2.6	--	--
Chapman Creek	16D2	4215	12/30	10	1.7	0.0	1.4*
Johns Creek	16D3	3805	12/30	4	0.9	0.0	1.0*
Mill Creek Summit (A)	14E1	8870	12/30	41	10.5	6.1	--
Morgan Creek Summit	14E4	7580	12/26	20	4.3	--	--
Redfish Lake	14E2	6600	12/30	13	2.5	--	--
Twin Peaks (A)	14E3	10300	12/30	39	10.0	--	--
Whitebird Summit	16D5	4390	12/30	14	2.7	T	2.2*
Lemhi River							
Above Gilmore (A)	13E19	8200	12/30	13	2.6	--	--
Aspen-Hall Pass (A)	13E21	8110	12/30	19	3.8	--	--
Copes Camp	13E17	7500	12/30	13	2.8	2.4	--
Gertson Creek (A)	13D17	8050	12/27	15	3.2	--	--

*(b) 1943-57, 15 year period. # Not located directly on this drainage. * Estimated 1943-57, 15 year Average.*
(A) Aerial observation: Water content estimated.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [b]
Hall Creek	13E20	7560	12/30	6	1.3	--	--
Meadow Lake	13E18	9100	12/30	39	10.0	9.5	--
Schwartz Lake	13E16	8500	12/30	24	5.1	3.6	--
CLEARWATER RIVER							
Above Greer	16C11	1240	12/27	T	T	0.0	--
Cayuse Airstrip	15C3	3700	12/26	13	2.8	T	3.3*
Crater Meadows	15C9	6100	12/26	52	14.5	--	--
Elk Butte (A)	16C15	5550	12/26	53	15.6	--	--
Fish Lake Airstrip	15C2	5000	12/26	48	12.8	11.5	17.4*
Forty-Nine Mdws. (A)	15B3	5000	12/26	42	11.3	--	--
Goat Lake (A)	14C9	6600	12/26	51	14.2	--	--
Greer Summit	16C13	3000	12/27	T	T	0.0	--
Hemlock Butte	15C6	5500	12/26	68	20.0	--	--
Lost Lake (A)	15B14	6000	12/26	61	17.0	--	--
Midway	16C12	2200	12/27	T	T	0.0	--
Pierce Rgr. Sta.	15C5	3171	12/27	19	4.4	T	5.2*
Shanghai Summit	15C4	4600	12/26	35	9.4	--	--
PALOUSE RIVER							
Crumarine Creek	16C6	3500	12/30	13	3.0	T	2.3*
East Twin	16C3	4000	12/30	17	4.7	T	5.1*
Howard Creek	16C5	3500	12/30	12	2.3	T	2.1*
Moscow Mountain	16C2	4800	12/30	24	6.1	1.0	7.1*
West Twin	16C4	4200	12/30	14	3.0	T	4.0*
GREAT BASIN DRAINAGE							
BEAR RIVER							
Emigrant Summit	11G6	7350	12/30	26	6.6	--	--
Montpelier Creek							
Giveout	11G16	6840	12/30	19	4.4	1.4	--
Little Beaver	11G20	6970	12/30	24	5.2	1.8	--
Montpelier Creek	11G18	6570	12/30	13	2.5	1.0	--
Whiskey Flat	11G21	6985	12/30	15	4.0	0.7	--

*(b) 1943-57, 15 year period. # Not located directly on this drainage. * Estimated 1943-57, 15 year Average.*
(A) Aerial observation: Water content estimated.

SNOW SURVEY COURSES
IDAHO
JANUARY 1964

25 0 25 50 75 100
SCALE IN MILES

- Snow course
- Soil moisture station
- Snow course and soil moisture station
- Aerial marker
- Aerial marker and snow course
- Aerial marker, soil moisture and snow course

CANADA

MONTANA

WYOMING

NEVADA

UTAH

OREGON

WASHINGTON

IDAHO

BOUNDARY
BONNER
KOOTENAI
BENEWAH
SHOSHONE
LATAH
CLEARWATER
NEZ PERCE
IDAHO
ADAMS
VALLEY
WASHINGTON
PAYETTE
GEM
BOISE
CANYON
ELMORE
CUSTER
LEMHI
BUTTE
CLARK
FREMONT
JEFFERSON
MADISON
TETON
BINGHAM
BONNEVILLE
GOODING
LINCOLN
JEROME
MINIDOKA
TWIN FALLS
CASSIA
POWER
BANNOCK
FRANKLIN
BEAR LAKE
OWYHEE

A B C D E F G H J

19 18 17 16 15 14 13 12 11 10 9

Index to IDAHO SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	AND LONG.		
		KOOTENAI RIVER				
15B11	M	Baree Creek	36	26N	3W	5500
[illegible]	M	Brush Creek	33	30N	26W	5000
16	BC	Ferguson	49°40'		117°01'	2950
10	BC	Fernie	49°31'		115°04'	3500
7	BC	Gerrard	50°33'		117°09'	6000
45	BC	Gray Creek	49°37'		116°04'	510
20B	BC	Kimberley	49°41'		115°01'	3800
32	BC	Marble Canyon	51°12'		116°09'	5[illegible]
10B	BC	Morrissey Ridge	49°27'		115°01'	61[illegible]
19	BC	Nelson	49°25'		117°17'	3[illegible]
10A	BC	New Fernie	49°30'		115°12'	4[illegible]
15A1	M	Red Mountain	4	36N	27W	60[illegible]
18	BC	Samson	49°59'		117°16'	35[illegible]
5A	BC	Sinclair Pass	53°43		116°18'	45[illegible]
16A1	I	Smith Creek	29	46N	3W	4800
20A	BC	Sullivan Mine	49°43'		115°01'	51[illegible]
41	BC	Upper Elk River	50°01'		114°56'	4[illegible]
14A7	M	Weasel Divide	8	37N	2W	5450
		PRIEST RIVER				
16A[illegible]	I	Benton Meadow	27	58N	4W	4[illegible]
16A3M	I	Benton Spring	3	54N	3W	4[illegible]
		PEND OREILLE - CLARK FORK RIVER				
13C13	M	Black Pine	25	8N	15W	7[illegible]
12C5	M	Chessman Reservoir	7	8N	5W	4[illegible]
12E10	M	Copper Creek	1	15N	3W	5[illegible]
12B11	M	Cotter Mine	2	15N	3W	2[illegible]
13B10	M	Coyote Hill	16	13N	16W	2[illegible]
13C9	M	El Dorado Mine	23	8N	17W	7[illegible]
13C11	M	Fred Burr Pass	12	6N	13W	8[illegible]
13C15m	M	Georgetown Lake	4	5N	17W	6[illegible]
13C10	M	Gold Creek Lake	14	8N	12W	720[illegible]
13C1	M	Hoodoo Creek	9	14N	2W	62[illegible]
13C4	M	Intergaard	6	5N	13W	6[illegible]
13C8	M	Lubrecht Forest	17	13N	14W	4[illegible]
13C14m	M	Lubrecht Forest	13	13N	14W	41[illegible]
13B7	M	North Fork Jocko	3	17N	17W	633
12C21	M	Pipestone Pass	10	1N	7W	5[illegible]
13C12	M	Red Lion	20	6N	13W	7100
13C2	M	Slide Rock Mountain	35	10N	16W	7100
13C5	M	Southern Cross	9	5N	13W	4[illegible]
12C1	M	Steeple Pass	16	13N	7W	6[illegible]
13C7	M	Stark Lake	19	4N	17W	70[illegible]
13C6	M	Stuart Mill	19	5N	13W	64[illegible]
12C2	M	Temmile Creek, Lower	13	8N	6W	629[illegible]
12C9	M	Temmile Creek, Middle	13	8N	6W	680[illegible]
12C1	M	Temmile Creek, Upper	13	8N	5W	8300
14B1	M	TV Mountain	33	15N	1W	6800
		BITTERROOT RIVER				
13C16	M	Ambrose	28	9N	18W	6[illegible]
13D1	M	East Fork Ranger Station	16	2N	17W	5400
17C2	M	Gibbons Pass	4	2S	19W	7100
13D16m	M	Gibbons Pass	4	2S	19W	7100
14C7	M	Lost Horse	5	4N	22W	574[illegible]
14B2	M	Nezperce Camp	19	1S	23W	552[illegible]
13C3	M	Skalkaho Summit	30	6N	17W	7250
14C8	M	Twin Lakes	32	5N	23W	6510
		FLATHEAD RIVER				
13E14A	M	Basin Creek	11	19N	12W	500[illegible]
14B3	M	Bassoo Peak	11	24N	25W	5150
13B3	M	Big Creek	7	22N	18W	6750
13A17	M	Camp Misery	30	28N	18W	6200
13A2M	M	Desert Mountain	24	31N	19W	5600
13B4	M	Fatty Creek	4	22N	18W	5500
12B7	M	Goat Mountain	20	22N	12W	7000
14A9	M	Griffin Creek Divide	11	28N	25W	5150
14A3	M	Hell Roaring Divide	35	32N	22W	5770
13E13A	M	Holbrook	18	21N	13W	4530
14A6	M	Kishenehn	14	37N	22W	3886
12A5	M	Logan Creek	34	30N	24W	4300
13A9	M	Marias Pass	34	30N	14W	5250
13A16	M	Mineral Creek	29	35N	17W	4700
13A13	M	Quintonkon	11	26N	17W	3800
13B2	M	Spotted Bear Mountain	23	25N	15W	7[illegible]
13A10	M	Strawberry Lake	11	28N	15W	6500
13B1	M	Trinkus Lake	9	25N	17W	6550
13A12	M	Trout Lake	21	32N	17W	360[illegible]
13B11	M	Twin Creeks	14	26N	16W	35[illegible]
13B5	M	Upper Holland	28	20N	16W	7000
12B3	M	Wrong Ridge	17	25N	10W	6800
		SPOKANE RIVER				
15B8	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	4 & 9	50N	1W	4800
16B3M	I	Fourth of July Summit	4	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2M	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3430
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4A	I	Mosquito Ridge	5	54N	4E	5170
15B12	I	Outlaw Creek	19	44N	5E	3750
15B5A	I	Roland Summit	26	47N	4E	5900
16C1	I	Sherwin	28 & 33	47N	1E	3200
15B9A	I	Sunset	32	49N	5E	5600
		SNAKE RIVER - WYOMING				
10C4	WY	Afton Ranger Station	30	32N	118W	6200
10F1	WY	Arizona	3	26N	115W	6250
10D2	WY	Aster Creek	4	41°17'	110°32'	7700
10F2	WY	Base Camp	20	26N	113W	6900
10F7	WY	Blackrock	4	24N	111W	8600

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	AND LONG.		
10D2A	WY	Blind Bull	6	34N	115W	8750
11F14	WY	Bryan Flat	9	38N	115W	6250
10E3	WY	Canyon	42°41'		110°30'	7750
10C7	WY	COC Camp	9	29N	118W	7800
10C5A	WY	Cottonwood Lake	25	31N	118W	7500
10F1	WY	Coulter Creek	44°59'		110°33	6600
[illegible]	WY	Deadman Ranch	2[illegible]	34N	116W	6534
[illegible]	WY	East Rim Divide	32	37N	111W	7450
[illegible]	WY	Four Mile Meadows	35	45N	112W	7750
[illegible]	WY	Glade Creek	1[illegible]	28N	116W	7200
10F18	WY	Jarvis Boundary	33	37N	118W	6[illegible]
10C19	WY	Gros Ventre Summit	36	40N	111W	875[illegible]
10D3	WY	Hoover Fork Divide	27[illegible]	33N	118W	7500
10E24	WY	Huckleberry Divide	2[illegible]	48N	115W	7300
10B4	WY	Lake Camp	44°34'		110°22'	7[illegible]
10F9	WY	Level Lake Divide	44°13'		110°40'	7[illegible]
10C4	WY	Moran	8&17	45N	114W	[illegible]
10D3	WY	Moran Bay	14	45N	116W	6800
10B2	WY	Morrison Basin	44°04'		111°42'	7500
10D6	WY	Poison Meadows	3	30N	116W	8500
10C2	WY	Salt River Summit	32	28N	118W	7400
11E4	WY	Snake River Station	4	42N	115W	6[illegible]
11[illegible]	WY	Snow King Mountain #3	2[illegible]	40N	117W	7[illegible]
11C5	WY	Sylvan Pass	12	52N	111W	7100
10F[illegible]	WY	Thumb Divide	44°02'		111°03'	7[illegible]
10C3	WY	Togwotee Pass	29	44N	110W	9[illegible]
20C5	WY	Turnin Meadows	1[illegible]	45N	112W	7[illegible]
11[illegible]	WY	Yellowjacket	33	42N	116W	7[illegible]
		HENRYS FORK RIVER				
11E3	I	Big Springs	32	14N	44W	[illegible]
11E2	I	Flat Canyon	12	14N	41W	[illegible]
11E14	I	Black Moose	33	16N	45E	125
11E[illegible]	WY	Grassy Lake	[illegible]	[illegible]N	1[illegible]W	7[illegible]30
11E1	I	Island Park	24	13N	[illegible]	[illegible]15
12E10	I	Lathrop Springs	2	13N	45E	[illegible]0
11E1[illegible]	I	Lucky [illegible]	[illegible]	[illegible]N	45E	[illegible]00
11E[illegible]	I	Old Road	22	15N	[illegible]	[illegible]40
11E1	I	Pitcher's Cabin	1	13N	45E	[illegible]00
11E2	I	Valley View	[illegible]	15N	44E	[illegible]30
14E7	M	West Yellowstone	[illegible]	13S	5E	[illegible]30
		TETON RIVER				
[illegible]	WY	Darby Canyon	2[illegible]	[illegible]N	119W	[illegible]
11F2M	I	Pine Creek Pass	[illegible]	3N	44E	675
11F1M	I	State Line	32	3N	40E	[illegible]
10F13M	WY	Teton Pass	[illegible]	41N	118W	81[illegible]
		CAMAS - BEAVER CREEK				
11E11	I	Blue Ledge Mine	[illegible]	13N	38E	[illegible]30
12E3	I	Camp Creek	21	13N	3[illegible]	[illegible]00
11E12	I	Kilgore	[illegible]	12N	39E	6200
		MEDICINE LODGE CREEK				
12E4	I	Irving Creek	8	13N	39E	[illegible]035
12E[illegible]	I	Webber Creek	23	12N	39E	[illegible]700
		BLACKFOOT RIVER				
11E3	I	Austin Brothers Ranch	28	[illegible]3	43E	6450
11E2M	I	China Hat	1[illegible]	[illegible]3	42E	[illegible]300
11E[illegible]	I	Slug Creek Divide	15	[illegible]	44E	[illegible]225
11E1M	I	Sommen Ranch	[illegible]5	[illegible]	43E	[illegible]00
		PORTNEUF RIVER				
12C5M	I	Dempsey Creek	17	10S	34E	6280
11C7m	I	Lower Dempsey	[illegible]	[illegible]	33E	[illegible]21
12C6m	I	Lower Pebble	7	9S	32E	[illegible]30
12C1	I	Mink Creek	33	7S	34E	6300
12C2M	I	Pebble Creek	34	7S	33E	6550
		RAFT RIVER				
13D2A	I	Boy Scout Camp	12	14S	23E	[illegible]00
13B2A	U	Clear Creek Meadows	[illegible]	12N	14W	[illegible]050
13C6[illegible]	I	Connor Pass	3[illegible]	14S	25E	5700
13C7m	I	Howell Canyon	[illegible]	13S	24E	[illegible]000
13B1	U	One Mile Summit	[illegible]	12N	14W	7[illegible]3
13C5M	I	Sheep Hollow	4	14S	24E	6200
13C3M	I	Soblatt	8	12S	30E	[illegible]30
13C4A	I	Summit Springs	15	13S	30E	[illegible]600
		GOOSE - TRAPPER CREEK				
14C3M	I	Badger Gulch	24	19S	19E	6660
14C1A	I	Bostetter Ranger Station	35	14S	19E	7500
14C7m	I	Trapper Creek	2	15S	20E	5300
13B3a	U	Vi Pont	17	14N	17W	7670
		SALMON FALLS CR. - BRUNEAU RIVER				
15B1MA	N	Bear Creek	31	40N	5BE	7800
14C5A	I	Cedar Creek	25	15S	13E	7000
14C2M	I	Deadline	25	14S	18E	6700
15B2	N	Fox Creek	33	44N	5BE	6800
15B13A	N	Goat Creek	31	44N	6OE	8800
15B15A	N	Hummingbird Springs	6	45N	6OE	8945
14B1	N	Jarbo Creek	6	42N	62E	7000
14A2	I	Maple Mountain	14	14S	18E	6700
15C1m	I	Patrick Ranch	23	15S	12E	5720
15B14M	N	Pole Creek Ranger Station	13	46N	59E	8330
15B12m	N	Red Point	15	47N	61E	7940
15B3A	N	Seventy Six Creek	6	44N	58E	7100
14C6	I	Shoshone Basin	24	14S	17E	5740
15B2m	I	Wilson Creek	24	16S	12E	7500
		LITTLE LOST RIVER				
13F14m	I	Cedarville Par	31	7N	28E	5400
13E6M	I	Fairview Guard Station	27	12N	26E	6750
13E15m	I	Little Lost Flat	36	11N	26E	6640
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	12N	26E	7450
13E14m	I	Nielson's Draw	26	11N	25E	6400

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	AND LONG.		
13E4	I	Sawmill Canyon	17	12N	26E	6[illegible]00
13E7MA	I	Wet Creek Summit	15	8N	25E	8175
		BIG LOST RIVER				
13E3	I	Bear Canyon	2[illegible]	5N	1E	[illegible]650
13F13m	I	Cherry Creek Pass	[illegible]	5N	23E	[illegible]400
13F2A	I	Copper Basin	24	6N	21E	8300
13F11	I	Iron Bog	23	4N	20E	7650
13F12	I	Leadbelt	34	4N	20E	68[illegible]
14F3A	I	Lost Wood Divide	19	4N	1[illegible]E	87[illegible]
14F14m	I	North Fork Meadow	20	7N	18E	8150
13F14m	I	Slicer[illegible]	17	4N	20E	[illegible]
14F4A	I	Stickney Mill	9	6N	17E	75[illegible]
13F[illegible]	I	Twin Rocks	22	4N	22E	[illegible]0
13F1	I	White Knob	25	7N	23E	[illegible]
		BIG WOOD RIVER				
14F8A	I	Pollard Lodge Summit	1[illegible]	3N	15E	[illegible]20
14F1M	I	Galena	3	6N	15E	[illegible]00
14F11M	I	Galena Summit	33	[illegible]	15E	8[illegible]5
14F5	I	Graham Ranch	3	5N	17E	[illegible]00
14F7	I	Mascot Mine	4	[illegible]N	[illegible]E	[illegible]00
14F3	I	Mount Heldy	2[illegible]	4N	17E	[illegible]00
14F.1	I	Soldier Ranger Station	[illegible]	2N	14E	61[illegible]
		LITTLE WOOD RIVER				
13F4M	I	Garfield Ranger Station	31	3N	21E	[illegible]5[illegible]
13C10	I	Iron Mine [illegible]	[illegible]	3N	[illegible]E	6[illegible]
13C5	I	Mill	[illegible]	3N	21E	[illegible]
14C13m	I	Niggerhead	[illegible]	5N	[illegible]	[illegible]
14F1m	I	Porcupine	[illegible]	4N	[illegible]E	8350
14C4A	I	Swede Peak	[illegible]	3N	21E	75[illegible]
14F6	I	Walker Ranch	[illegible]	2N	19E	6000
		BOISE RIVER				
14C4A	I	Atlanta Summit	[illegible]	[illegible]N	1[illegible]E	[illegible]
15A2M	I	Bald [illegible]ear	[illegible]	7N	6E	[illegible]
15D7	I	Barnett Mountain	[illegible]	[illegible]N	9E	6[illegible]5
15C4	I	Boise [illegible]r Road	[illegible]	5N	3E	[illegible]
15C[illegible]	I	Boise Basin Road	[illegible]	[illegible]N	2E	[illegible]
[illegible]	[illegible]	Bonanza Creek Divide	11	2S	4E	9[illegible]
[illegible]	A	Brown Summit	[illegible]	[illegible]N	14E	[illegible]
15F1m	I	Danskin	1	1N	7E	5[illegible]
15C1	I	Deadman Gulch	24	7N	[illegible]	[illegible]
15C8	I	Idaho [illegible]	[illegible]	2S	[illegible]	5[illegible]
15D7A	I	Jackson Peak	[illegible]	[illegible]	[illegible]	7[illegible]
15C1m	I	Little [illegible] Road	21	1S	4E	[illegible]
15C3m	I	Long [illegible]	17	1S	E	[illegible]
15C1M	I	Moores Creek Summit	17	1N	7E	6100
15C[illegible]	I	Prairie	13	[illegible]N	7E	5600
15F3A	I	Road Creek	[illegible]	5N	8E	68[illegible]
15C5A	I	Trinity Mountain	7	3N	9E	[illegible]
15F11m	I	Willow Creek Cabin	[illegible]	1N	6E	[illegible]
		OWYHEE RIVER				
16[illegible]		Antelope Ridge	[illegible]	[illegible]	1E	[illegible]
16[illegible]	C	Warren Valley	[illegible]	[illegible]	[illegible]	[illegible]
16[illegible]	[illegible]	Battle Creek	10	11S	1E	[illegible]
15[illegible]	N	Big [illegible]ond	[illegible]	[illegible]	[illegible]E	[illegible]
15[illegible]	O	Blue Mountain Pass (Basque	[illegible]	[illegible]	[illegible]	[illegible]
16[illegible]	I	Bull Basin	[illegible]	12S	[illegible]	[illegible]
16[illegible]	N	Disaster Peak	[illegible]	[illegible]N	[illegible]E	6[illegible]
[illegible]	[illegible]	Fish Creek	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	Folly Farm Summit	[illegible]	[illegible]	[illegible]	[illegible]
16[illegible]	N	Fry Fenyc	31	43N	5[illegible]E	[illegible]
16[illegible]	N	Gold Creek	31	45N	[illegible]	6[illegible]
[illegible]	N	Granite Peak	[illegible]2	44N	3[illegible]	[illegible]
[illegible]	[illegible]	High Pasture	SE[illegible]	[illegible]	[illegible]	[illegible]
16[illegible]	N	Jacks Peak	[illegible]	42N	53E	[illegible]
15C[illegible]	[illegible]	Jordan Valley	[illegible]	[illegible]	[illegible]E	[illegible]
16[illegible]	N	Laurel Draw	[illegible]	45N	53E	[illegible]
17C[illegible]	[illegible]	Look out Butte	[illegible]	40S	47E	5650
17C[illegible]	[illegible]	Lower [illegible] Canyon	[illegible]	40S	44E	6440
17C2	N	Lower [illegible] Basin	[illegible]	45N	39E	[illegible]
[illegible]	M	Lower Jack Creek	18	42N	53E	[illegible]
16[illegible]	I	Martin Creek	1	[illegible]	[illegible]E	[illegible]
16[illegible]	N	Midas	1	[illegible]	46E	7200
16C7M	F	Red Flat	34	[illegible]	[illegible]	5[illegible]
15C5[illegible]	[illegible]	Crayton Canyon	[illegible]	[illegible]	40E	6[illegible]
17[illegible]	N	Quinn Ridge	[illegible]	[illegible]N	41E	6[illegible]
16[illegible]	I	Red Canyon	[illegible]	11S	4W	665[illegible]
15[illegible]	N	Rode [illegible]at	[illegible]	42N	53E	68[illegible]
16[illegible]	I	Silver City	[illegible]	[illegible]	3W	6[illegible]
16[illegible]	O	Silvies	[illegible]	[illegible]	33E	6900
16[illegible]	I	South Mountain	[illegible]	[illegible]	4W	[illegible]
16[illegible]	[illegible]	Succor Creek	[illegible]	[illegible]	[illegible]	[illegible]
15[illegible]	N	Taylor Canyon	[illegible]	[illegible]	53E	[illegible]
15[illegible]	N	Tremewan Ranch	[illegible]	[illegible]	55E	[illegible]
16[illegible]	I	Triangle	[illegible]	[illegible]	3W	[illegible]
16[illegible]	O	Trout Creek	10	41S	[illegible]	7800
17[illegible]	N	Upper Buckskin	11	45N	[illegible]	[illegible]
16[illegible]	N	Upper Jack Creek	[illegible]	42N	[illegible]	[illegible]
16[illegible]	[illegible]	Wall Lake	31	35[illegible]	[illegible] 3/4E	[illegible]
		PAYETTE RIVER				
15E4M	I	Big Creek Summit	24	15N	5E	[illegible]
16E3M	I	Bogus Basin	16	5N	3E	[illegible]
15E8	[illegible]	Cozy Cove	19	11N	7E	[illegible]
15E3	I	Crawford Ranger Station	21	14N	4E	[illegible]
15E10	I	Deadwood Airstrip	[illegible]	11N	7E	[illegible]
15E7	I	Deadwood River Dam	8	11N	7E	[illegible]
15E4A	I	Deadwood Summit	23	14N	7E	7000
16F7m	I	Greenfield Flat	1	1N	2E	737
16E4	I	High Valley Summit	9	10N	2E	6170
15E1	I	Lake Fork	3	16N	4E	[illegible]
16E1	I	Rock Flat Summit	1	18N	2E	[illegible]
15D2A	I	Squaw Meadow	5	21N	4E	[illegible]
16E3	I	Tripod Summit	17	11N	3E	[illegible]
		WEISER RIVER				
16E1	I	Boulder Creek	15	20N	1W	5500

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	AND LONG.		
16E2m	I	Rice Ridge	15	15N	2E	6800
16E5m	I	Squaw Flat	32	17N	2E	6230
16F2	I	Placer Creek	15 & 16	17N	3W	6000
		SALMON RIVER				
13E19A	I	Above Gilmore	13	13N	26E	8200
13E11m	I	Big Flat	25	11N	23E	7350
13E8m	I	Borah	21	10N	23E	8250
16C2	I	Chapman Creek	16	29N	2E	4215
13E17A	I	[illegible]apes Camp	36	18N	22E	7500
13D7m	I	[illegible]erson Creek	22	22N	23E	8650
13D2	M	Gold Stone	11	8S	16E	8100
16C3	I	Jones Creek	9	29N	2E	3875
13F1	M	Lemhi Pass	9	10S	14E	7483
13F1m	I	Lower Big Flat	31	12N	24E	6600
13E1m	I	Mahogany Bar	1	1N	23E	7900
13E18A	I	Meadow Lake	21	13N	26E	9130
14E3MA	I	Mill Creek Summit	3	13N	17E	8800
13D1m	I	Moose Creek	22 & 26	27N	21E	6200
14E4	I	Morgan Creek	32	18N	19E	7580
14E[illegible]	I	Patsimeroi	7	[illegible]N	24E	7900
13E1[illegible]	I	Schwartz Lake	34	18N	22E	8550
16E2	M	Trail Creek	15	10S	1[illegible]E	7090
14E3m	I	Twin Peaks	23	15N	17E	9[illegible]
14E[illegible]	I	Vienna Mine	32	6N	14E	6[illegible]
14E[illegible]	I	West Big Flat	33	12N	23E	6550
14E[illegible]	I	[illegible]illiams Creek [illegible]	[illegible]	[illegible]N	2E	[illegible]
14E[illegible]	I	[illegible]illiams Creek Summit	[illegible]	21N	[illegible]E	7[illegible]
		CLEARWATER RIVER				
16[illegible]	I	Above Greer	14	35N	2E	1240
16[illegible]	I	[illegible]n	[illegible]	36N	3E	3100
16[illegible]	I	Cayuse Airstrip	[illegible]	38N	11E	3[illegible]
16[illegible]	I	[illegible]water Mountain	34	33N	8E	6200
15C4A	I	Crater Meadows	2	37N	9E	6100
16C15A	I	Elk Butte	6	40N	3E	5540
16[illegible]	I	Elk Lake Airstrip	35	35N	11E	5000
15C[illegible]	I	[illegible]nal	16	36N	4E	3450
16[illegible]	I	[illegible]rest	1	32N	3W	4550
15C3	I	Fourty-nine Meadows	6	[illegible]3N	4E	5300
14C9A	I	Goat Lake	4	38N	13E	6600
16C13	I	Greer Summit	13	35N	2E	3000
16[illegible]	I	Hemlock Butte	12	36N	6E	5500
16[illegible]	[illegible]	Kit Carson [illegible]are	[illegible]	29N	1E	[illegible]700
14C4	M	Lolo Pass	1[illegible]	10N	[illegible]	4[illegible]
15B14A	I	Lost Lake	16	43N	4E	6000
16C[illegible]	I	McFarn	25	33N	7W	[illegible]
16C12M	I	Midway	1[illegible]	35N	2E	2200
14A1	M	Nezperce Pass	25	2S	24E	6575
15B4	[illegible]	Pingrande Mountain	24	2[illegible]N	6E	7800
15[illegible]	[illegible]	Pierce Ranger Station	[illegible]	36N	4E	3171
14[illegible]	I	Powell Ranger Station	33	3[illegible]N	1E	4[illegible]
14[illegible]	I	Savage Pass	18	3[illegible]N	15E	6600
14C2A	I	Shanghai Summit	7	3[illegible]N	6E	5600
16C1	I	Sweeney	1	32N	3W	[illegible]35
		PALOUSE RIVER				
16C6	[illegible]	[illegible]rmarine Creek	2[illegible]	40N	5W	3[illegible]0
16C3	[illegible]	East Twin	13	40N	5W	4200
16C5	I	Howard Creek	1[illegible]	40N	6W	3500
16C2	I	Moscow Mountain	18	40N	4W	4800
16C4	I	West Twin	1[illegible]	40N	5W	4200
		BEAR RIVER				
10C11	Wy	Big Park	7	20N	117[illegible]	8700
11C11	I	Christensen Ranch	2[illegible]	13S	41E	5600
11C12	I	Cub River Ranger Station	5	15S	41E	5400
11C1[illegible]	[illegible]	Dry Bread Pond	19	[illegible]N	4E	8230
11C6M	I	Emigrant Summit	21	12S	42E	7350
11C[illegible]	I	Emigration Canyon (south)	2[illegible]	12S	42E	6500
11C[illegible]	I	Franklin Basin	1	16S	41E	8000
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6	U	Goodman Ranch	1[illegible]	[illegible]N	10E	7900
10J7	U	Hayden Fork	1	1S	[illegible]	8900
11C12	Wy	Kelly Ranger Station	13	26S	119W	8[illegible]
11C[illegible]P	U	Monte Cristo M. S.	3	[illegible]N	4S	[illegible]
10J1[illegible]	W	Piney LaBarge x	1[illegible]	[illegible]N	114W	5820
10J17P	U	Stillwater Camp	32	2N	10E	6550
11C1	I	Strawberry Mink Divide	14	13S	41E	6800
11C6M	I	Strawberry Creek	[illegible]	13S	41E	5800
11C4P	I	Willow Flat	2	14S	41E	6100
		MALAD RIVER				
12C4	I	Dry Creek Flat	31	13S	37E	6350
12C3	I	Oxford Mountain	32	13S	3E	6800
		MONTPELIER CREEK				
11C16	I	[illegible]ckout	1[illegible]	11S	45E	6[illegible]
11C17m	I	[illegible]ckout Pass	2	12S	45E	7025
11C1[illegible]	I	Jenson Ranch	15	12S	43E	660[illegible]
11C20	I	Little [illegible]eaver	2[illegible]	11S	45E	6[illegible]
11C18	I	Montpelier Creek	[illegible]	12S	44E	6[illegible]
11C21	I	Whiskey Flat	[illegible]	11S	43E	6[illegible]

LEGEND

Numbering System (example)

10J2 SNOW COURSE ONLY.

10J2P SNOW COURSE AND PRECIPITATION GAGE

10J3M SNOW COURSE AND SOIL MOISTURE STATION

10J2A SNOW COURSE AND AERIAL MARKER.

10J2MA SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER

10J2MP SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.

10J3m SOIL MOISTURE STATION ONLY.

10J2a AERIAL MARKER ONLY.

10J2G STORAGE PRECIPITATION GAGE ONLY.

Agencies Assisting with Snow Surveys, etc.

GOVERNMENT AGENCIES

Canada:

- Department of Lands, Forests, and Water Resources, British Columbia
- Department of Resources and Development, Water Resources Division

States:

- Idaho State Reclamation Engineer
- State of Idaho Department of Fish and Game
- University of Idaho
- Idaho State University
- Montana Agricultural Experiment Station
- Montana State Water Conservation Board
- Nevada Cooperative Snow Surveys
- Oregon Agricultural Experiment Station
- Oregon State Engineer and Corps of State Watermasters
- Utah Cooperative Snow Surveys
- Wyoming Cooperative Snow Surveys

Federal:

- U. S. Army Engineers
- U. S. Department of Agriculture
  - Forest Service
  - Agricultural Research Service
- U. S. Department of Commerce
  - Weather Bureau
- U. S. Department of the Interior
  - Bonneville Power Administration
  - Bureau of Reclamation
  - Fish and Wildlife Service
  - Geological Survey
  - Indian Service
  - National Park Service
  - Bureau of Land Management

PUBLIC UTILITIES

- The Montana Power Company
- Washington Water Power Company
- Idaho Power Company
- Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

- Big Lost River Irrigation District
- Boise Project Board of Control
- Little Wood River Irrigation District
- Jordan Valley Irrigation District
- Salmon Falls Creek Irrigation Company
- Twin Falls Soil Conservation District
- Twin Lakes Irrigation Company
- Big Wood Irrigation Company
- Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

- Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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